

Gabriel A. Rodríguez Linera

Visa: Permit B with work authorization

gabyrod7@gmail.com

[LinkedIn](#) · [ORCID](#) · [GitHub](#)



Professional Experience

- Teaching: taught introductory physics lab for three semesters and twice was a teaching assistant for advanced undergraduate physics courses.
- Researcher: as a member of the GlueX Collaboration I led the analysis of two physics reactions and published an article in [Phys. Rev. C](#). I also assisted in data collection and data quality monitoring efforts, as well as studying the performance of the experimental detector.
- Data Analyst: Led five projects to understand and measure properties of two physics reactions. I led the data cleaning and modeling efforts leveraging high-performance computing resources. I also developed a multithreaded command-line tool in Python.

Skills

- Programming and Scripting
 - Python, C++, and Bash (7 years experience)
- Software, Libraries, and Frameworks
 - [Apptainer](#): a container platform designed to create and run containers optimized for HPC.
 - [Git/Github](#): used for version control, and collaborative development.
 - [Scikit-learn](#): used in several ML competitions.
 - [HTCondor](#): used to manage distributed workloads across multiple machines.
 - [L^AT_EX](#): preparation of technical documents (i.e., papers, dissertations, and presentations).
- Soft skills
 - Team player: collaborated with over 30 scientists from multiple countries across 5 projects.
 - Communicator: presented research at seminars and conferences; explained physics concepts to the public using toy experiments at university Open House events.
 - Writing: In addition to my Master's thesis and Ph.D. dissertation, I have authored a peer-reviewed paper, a working paper, and three reports detailing projects I led.
- Languages
 - Spanish (native), English (bilingual proficiency), and German (B1)

Education

- Applied Machine Learning in Python (Coursera [certificate](#)) (2025)
- SQL for Data Science (Coursera [certificate](#)) (2025)
- Doctor of Philosophy in Physics (Florida State University, USA) (2020-2024)
- Master of Science in Physics (Florida State University, USA) (2017-2020)
- Bachelor of Science in Physics (Universidad de Puerto Rico, PR) (2010-2017)